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(54) SYNTHETIC YARN AND PRODUCTION THEREOF

(57) Abstract:

PURPOSE: To obtain synthetic yarn suitable for underwears, etc., having antimicrobial properties and healthy action by adding a copper compound) and a germanium (compound) to a polymer in a period from immediate after polymerization completion of polymer to just before spinning, kneading and spinning.

CONSTITUTION: In a period from immediate after polymerization completion of polymer (e.g. polyethylene

terephthalate or nylon 6) to just before spinning, the polymer is kneaded with copper (compound) (preferably metal copper or inorganic compound thereof) having $\leq 10\mu\text{m}$ average particle diameter and germanium (compound) having $\leq 10\mu\text{m}$ average particle diameter in the weight ratio of (1/99)-(50/50) dispersed into a dispersion medium (e.g. ester-based plasticizer or hydroxylamide) having compatibility with the polymer and then spun to give the objective yarn.

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